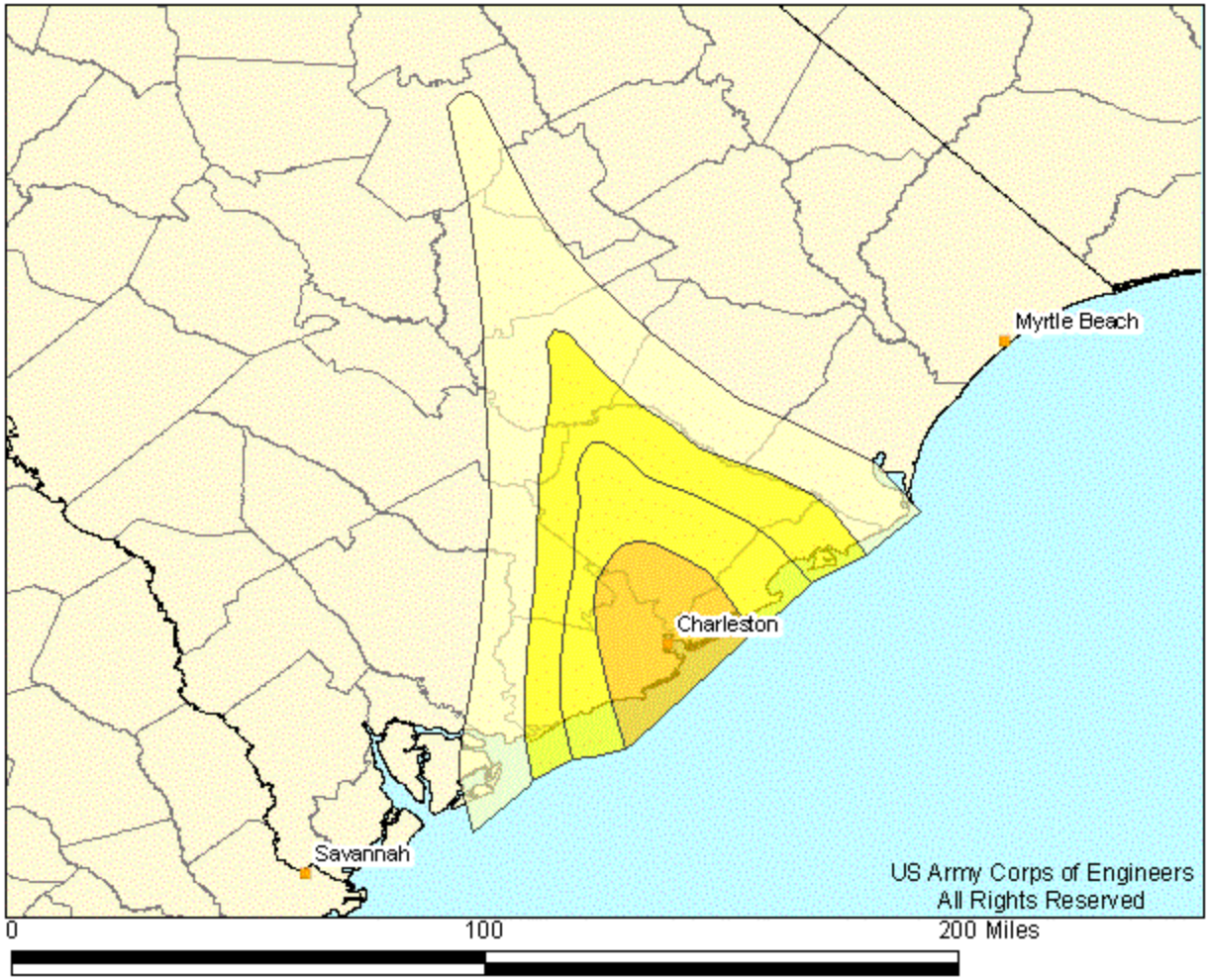
US Army Corps of Engineers

Hurricane NoName Projected Damage Areas

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 2 storm making landfall near Charleston, SC.

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC (1100 EDT 10/22/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

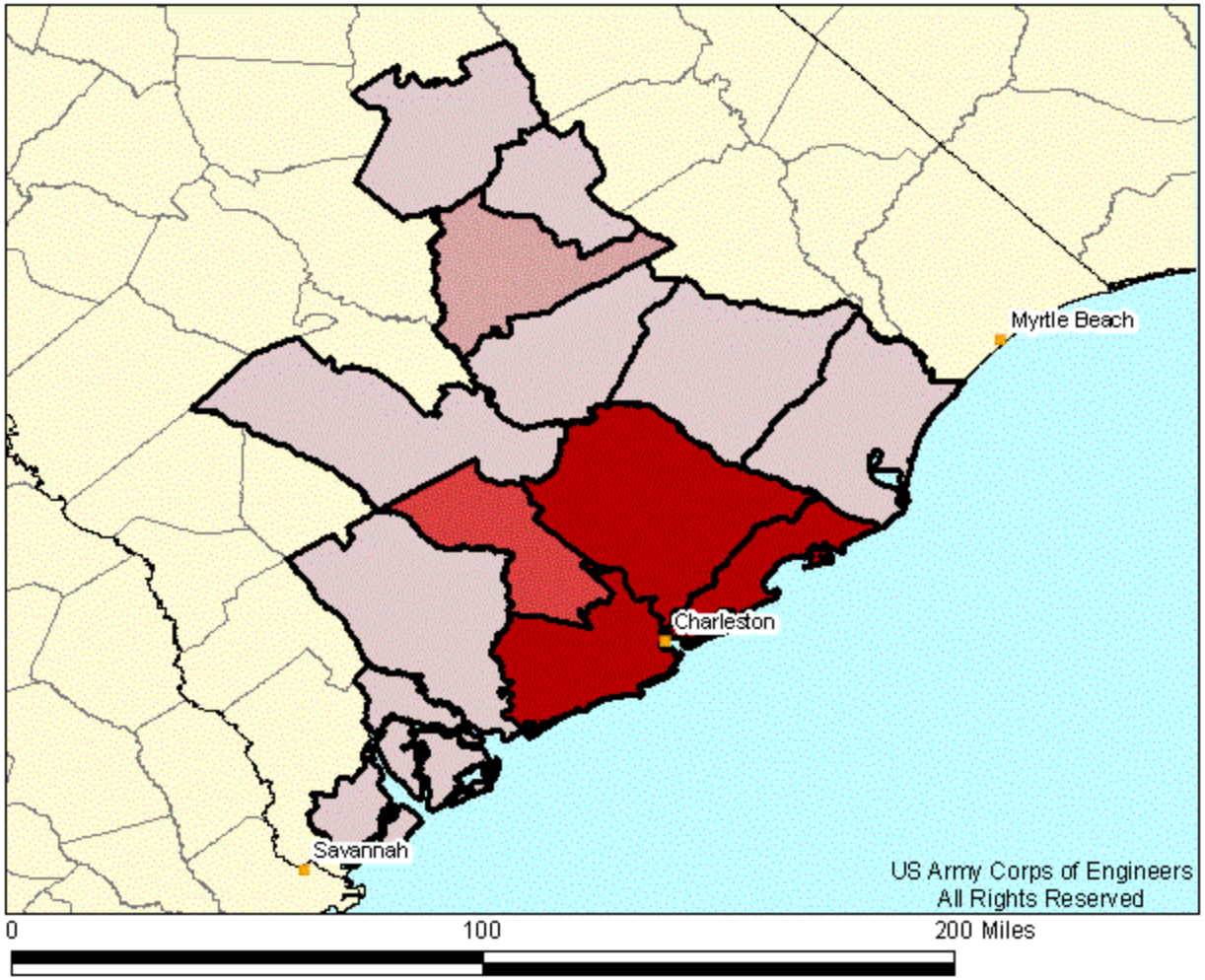
Hurricane NoName Projected Damage Areas	
Generated By: Siemsen, LRL 1130 EDT 10/22/2008	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

South Carolina - 9,220,000 Yards

Model results per County on following page

This model is based on a Category 2 storm making landfall near Charleston, SC.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC (1100 EDT 10/22/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Debris Model	
Generated By: Siemsen, LRL 1130 EDT 10/22/2008	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
South Carolina		Beaufort	9,000
		Berkeley	2,070,000
		Charleston	5,993,000
		Clarendon	72,000
		Colleton	10,000
		Dorchester	868,000
		Georgetown	19,000
		Kershaw	16,000
		Lee	5,000
		Orangeburg	29,000
		Sumter	110,000
		Williamsburg	19,000
South Carolina	9,220,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1130 EDT 10/22/2008

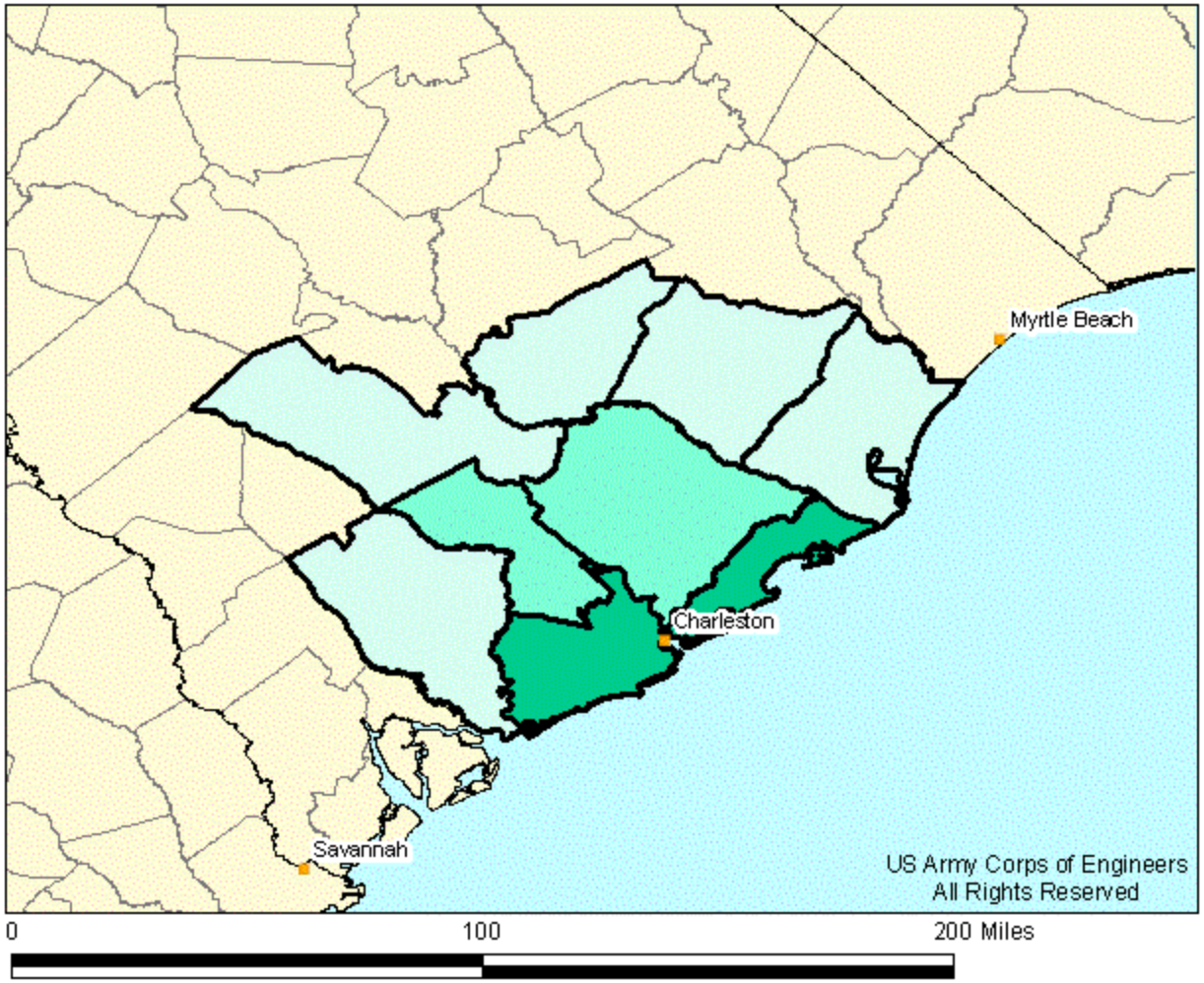
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three
South Carolina – 9/18/37
Truckloads

Model results per County on following page

This model is based on a Category 2 storm making landfall near Charleston, SC.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC ***(1100 EDT 10/22/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model	
Generated By: Siemsen, LRL 1130 EDT 10/22/2008	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
South Carolina		Berkeley	9
		Charleston	17
		Clarendon	1
		Colleton	1
		Dorchester	6
		Georgetown	1
		Orangeburg	1
		Williamsburg	1
South Carolina	37		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
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Hurricane NoName Commodities Model

Generated By:
Siemsen, LRL 1130 EDT 10/22/2008

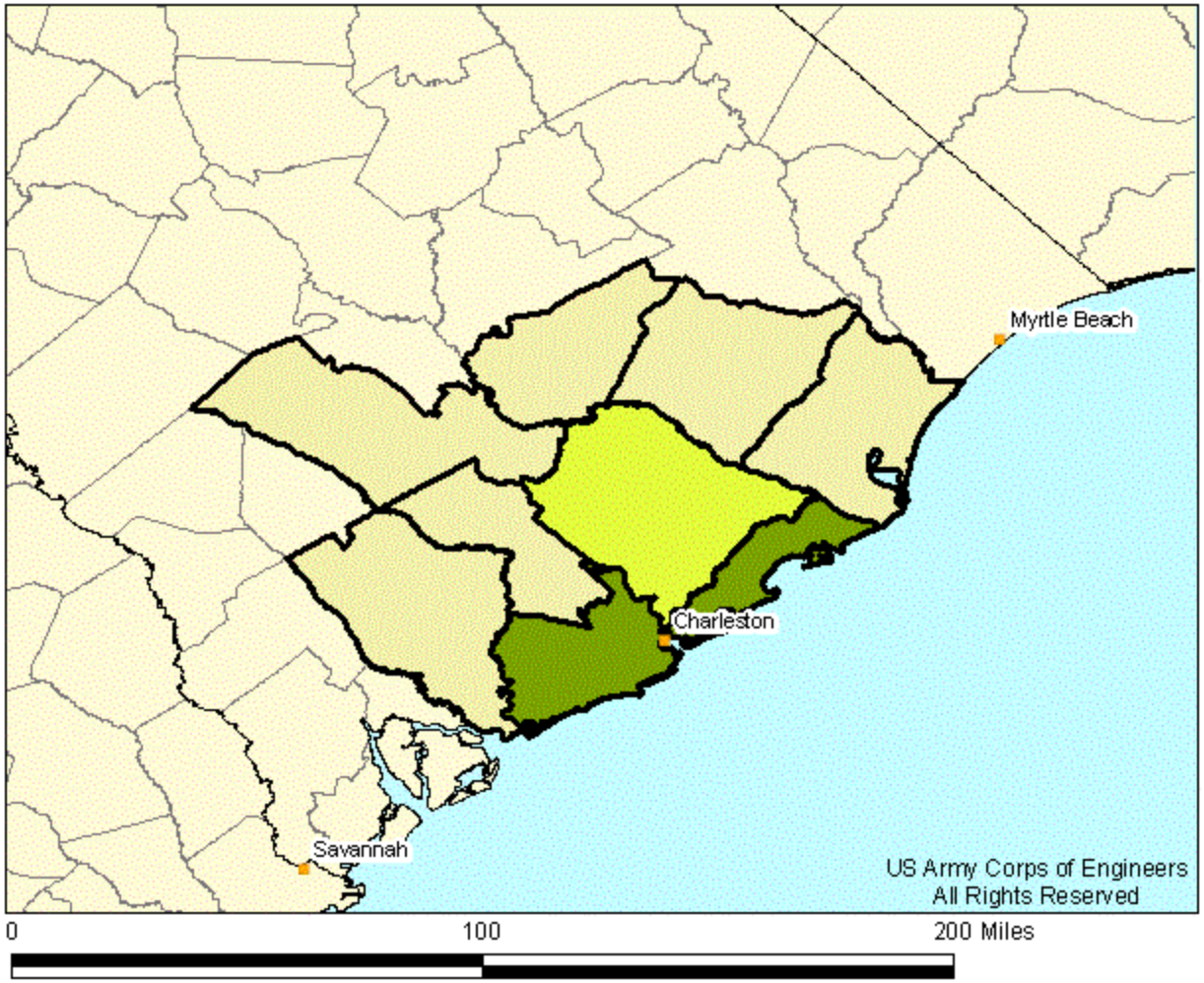
Sources:
HURREVAC
LRL-DEBRIS

Hurricane NoName Temporary Roofing Model

US Army Corps of Engineers

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

South Carolina - 12,000

Model results per County on following page

This model is based on a Category 2 storm making landfall near Charleston, SC.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC (1100 EDT 10/22/2008) forecast. Temporary roofing is based on 3% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

For Planning Purposes Only!

Landfall Expected In About 22 Hours

State	House Units per State	County	House Units per County
South Carolina		Berkeley	2,600
		Charleston	7,800
		Clarendon	200
		Colleton	< 100
		Dorchester	1,400
		Georgetown	< 100
		Orangeburg	< 100
		Williamsburg	< 100
South Carolina	12,000		

Temporary roofing is based on 3% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane NoName Roofing Model

Generated By:
Siemsen, LRL 1130 EDT 10/22/2008

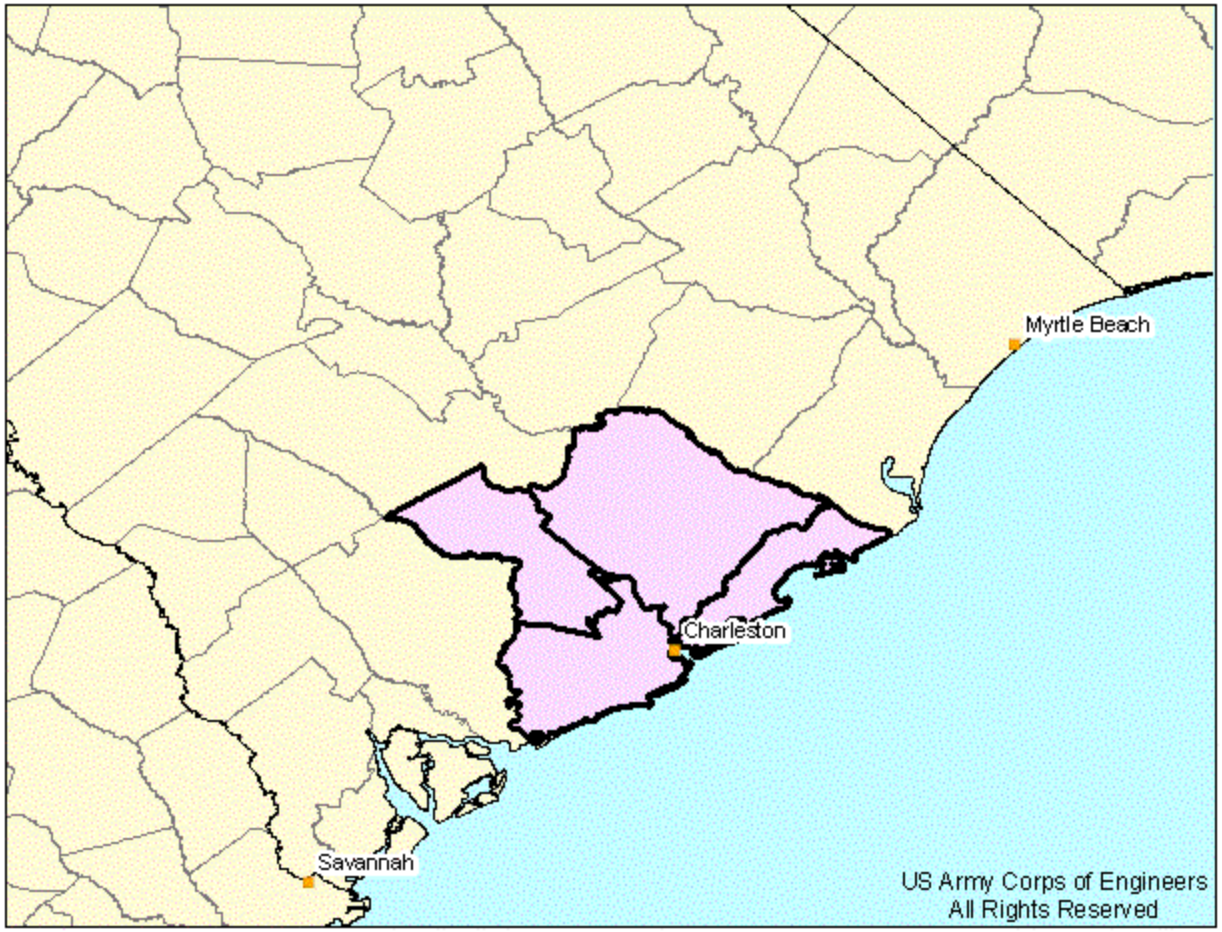
Sources:
HURREVAC
LRL-DEBRIS

Hurricane NoName Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About 22 Hours

For Planning Purposes Only!



0 100 200 Miles

Post Landfall Temporary Housing Model Results

South Carolina - 1,600

Model results per County on following page

This model is based on a Category 2 storm making landfall near Charleston, SC.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC (1100 EDT 10/22/2008) forecast. Temporary housing is based on 1% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Housing Model	
Generated By: Siemsen, LRL 1130 EDT 10/22/2008	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Housing Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
South Carolina		Berkeley	300
		Charleston	1,300
		Dorchester	< 100
South Carolina	1,600		

Temporary housing is based on 1% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane NoName Housing Model

Generated By:
Siemsen, LRL 1130 EDT 10/22/2008

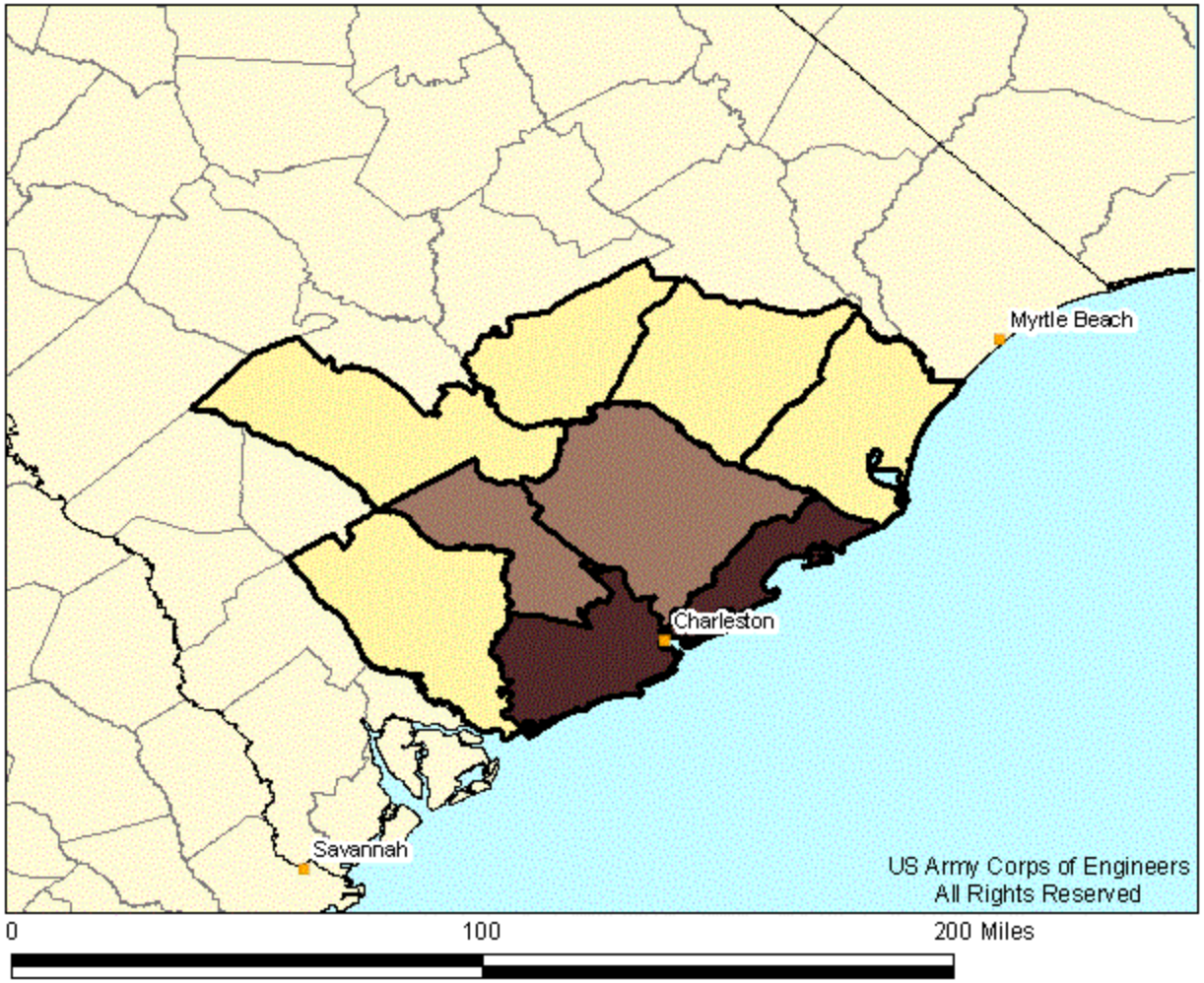
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



Post Landfall Results – Resident Population Within Hurricane Force Winds

South Carolina - 620,000

Model results per County on following page

This model is based on a Category 2 storm making landfall near Charleston, SC.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC (1100 EDT 10/22/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Population Model	
Generated By: Siemsen, LRL 1130 EDT 10/22/2008	
Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
South Carolina		Berkeley	163,000
		Charleston	340,000
		Clarendon	11,000
		Colleton	< 1,000
		Dorchester	102,000
		Georgetown	< 1,000
		Orangeburg	4,000
		Williamsburg	< 1,000
South Carolina	620,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1130 EDT 10/22/2008

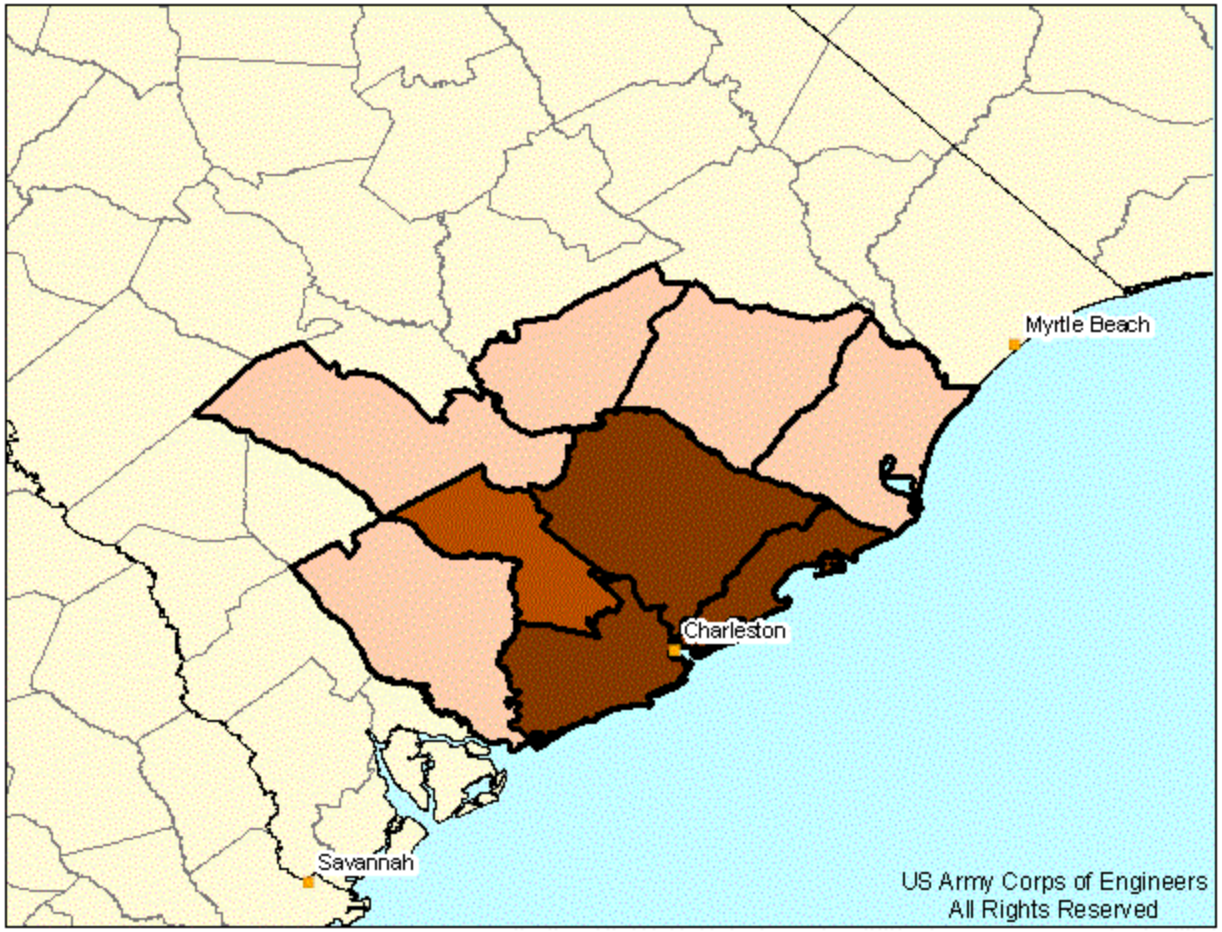
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!



0 100 200 Miles

Post Landfall Results – Resident Households Within Hurricane Force Winds

South Carolina - 237,000

Model results per County on following page

This model is based on a Category 2 storm making landfall near Charleston, SC.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 2 storm making landfall near Charleston, SC. These projections are based on information from the NHC (1100 EDT 10/22/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Households Model	
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US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 22 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
South Carolina		Berkeley	57,000
		Charleston	136,000
		Clarendon	5,000
		Colleton	< 1,000
		Dorchester	37,000
		Georgetown	< 1,000
		Orangeburg	2,000
		Williamsburg	< 1,000
South Carolina	237,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

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Hurricane NoName Households Model

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Sources:
HURREVAC
LRL-DEBRIS